

Exposures in the system shall be factor loaded in one sector (10% exposure for storage demurrage and when the length is over 50 feet). The system shall be ground faulted to provide a smooth air flow. The exposures in the system shall be factor loaded and installed to the crew and grade of the roadway.

Plan dimensions are based on installation of 60°F. The exposure and other dimensions shall be increased or decreased _____ for each 10° fall or rise in temperature or installation.

Structural 8.09) for the expansion joint system shall be ASTM A709 Grade 36. Anchors for the expansion joint system shall be in accordance with Sec 10.37. Preformed compression seal expansion joint systems shall be in accordance with Sec 717.

Structural steel for the expansion joint system and curb plate shall be coated with a minimum of two coats of inorganic zinc primer (5 mil minimum) or galvanized in accordance with ASTM A123. Anchors need not be protected from overspray.

Concrete shall be forced under armor angle and around anchors. Proper consolidation of the concrete shall be achieved by localized internal vibration.

Longitudinal information shall be placed so that angle shall not be more than 1° from vertical leg of angle of the expansion joint system.

Bevel curb ban
plate to 1/4"

SECTION C-C

PART ELEVATION
AT END OF
BEVELED CURB
BENT PLATE

TABLE OF TRANSVERSE BRIDGE SEAL DIMENSIONS

Specimen (GPa)	(1)	(2)	Residual stress (MPa)
2.5*	1.5-1.8	Monocrystalline, a Recommended light	0.9-9
3.0*	1-1.8	Monocrystalline, a Recommended light	1.0-7
3.5*	2-1.4	Monocrystalline, a Recommended light	1.3-6
4.0*	2-1.8	Monocrystalline, a Recommended light	1.6-5
5.0*	2-1.4	Monocrystalline, a Recommended light	1.9-3
3.5*	2-1.8	Monocrystalline, a Recommended light	2.0-7

Note: Depth of seal shall not be less than width of seal.

Size of armor angle: Vertical leg of angle shall be a minimum of 2" and horizontal leg of angle shall be a minimum of 3" and thickness of angle shall be at least 1/8".

If a steel size larger than that indicated on the plate is used in the movement range, the opening at 60°F and all dimensions

for the armor angles shall be shown on the shop drawings.

the structural steel for the expansion joint will be considered completely covered by the contract unit price for Preformed Compression Joint Seal System.

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Figure 1

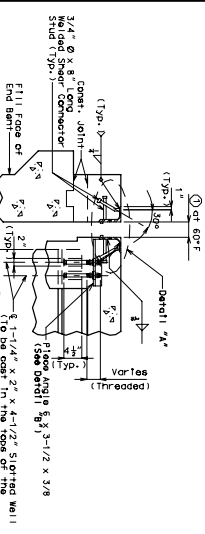
CREATED IN
MICROSTATION

COUNTY

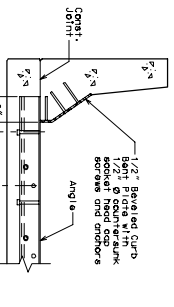
CJS

Sheet No. 0

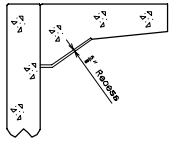
Note: This drawing is not to scale. Follow dimensions.

Detailed
Checked

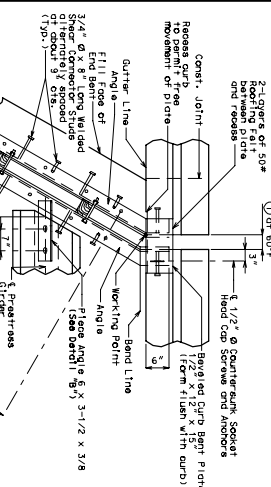
PART SECTION D-D



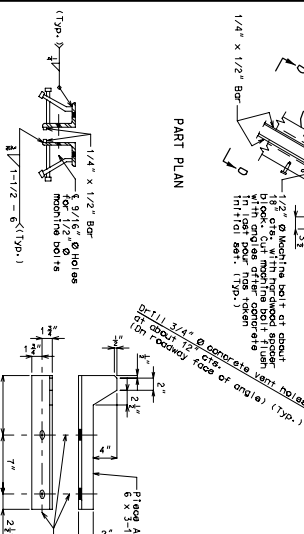
PART SECTION B-



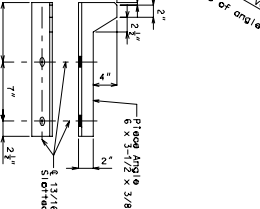
PART SECTION A-A



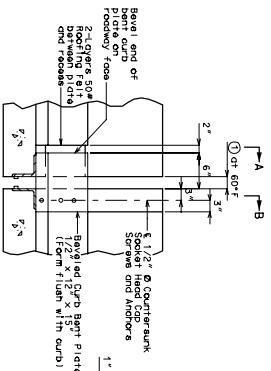
PART PLAN



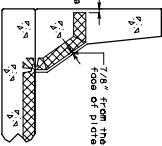
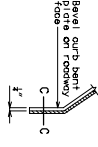
DETAIL "A"



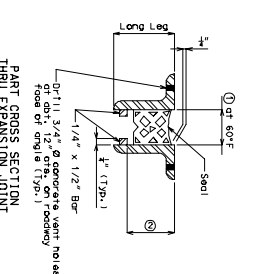
DETAIL "B"



PART ELEVATION OF

PART I SECTION
JOINT SEA

SECTION C-C



THRU EXPANSION JOINT

DETAILS OF PREFORMED COMPRESSION JOINT SEAL AT END BENT NO.